IN THE CLAIMS

1. (Currently Amended) An isolated nucleic acid molecule comprising:

a sequence of nucleotides encoding an adenovirus tripartite leader (TPL), wherein the TPL-encoding sequence of nucleotides comprises: (a) first and second different TPL exons, wherein the different TPL exons are from different adenoviruses, or in a non-native order or both (b) an intron between exons of said TPL or ([[b]]c) first, second and third same or different TPL exons, wherein:

at least two of the different TPL exons are from different adenoviruses or in a nonnative order or both; and

said TPL exons in (a) and (b) are selected from the group consisting of complete TPL exon 1, complete TPL exon 2 and complete TPL exon 3.

- 2-3. (Cancelled).
- 4. (Currently Amended) The isolated nucleic acid molecule of Claim [[2]] 1, wherein said intron is native adenovirus intron 1.
- 5. (Currently Amended) [[An]] <u>The</u> isolated nucleic acid molecule comprising a sequence of nucleotides encoding an adenovirus tripartite leader (TPL), of Claim 1, wherein said TPL nucleotide sequence is set forth in SEQ ID NO: 32.
- 6. (Currently Amended) An isolated nucleic acid molecule comprising an adenovirus tripartite leader (TPL) nucleotide sequence, said TPL nucleotide sequence comprising (a) first and second different TPL exons, wherein the different TPL exons are from different adenoviruses, or in a nonnative order or both or (b) first, second and third same or different TPL exons, wherein at least two of the different TPL exons are from different adenoviruses, or in a non-native order or both, said TPL exons in (a) and (b) selected from the group consisting of complete TPL exon 1, partial TPL exon 1, complete TPL exon 2 and complete TPL exon 3 and of Claim 1, further comprising a promoter and a sequence of nucleotides that

encodes an adenoviral structural protein, operatively linked to said promoter and said TPL-encoding sequence of nucleotides.

- 7. (Previously Presented) The isolated nucleic acid molecule of Claim 6, wherein said adenoviral structural protein is a fiber protein or a chimeric protein which includes an adenovirus fiber protein tail domain.
- 8. (Previously Presented) The isolated nucleic acid molecule of Claim 7, wherein said chimeric protein comprises an Ad3 head domain and an Ad5 tail domain or an Ad5 head domain and an Ad3 tail domain.
 - 9. (Cancelled).
- 10. (Currently Amended) The isolated nucleic acid molecule of Claim [[9]] 1, wherein said molecule has a nucleotide sequence selected from the group consisting of sequences shown in SEQ ID NO: 43, SEO ID NO: 44, SEO ID NO: 47, SEQ ID NO: 64 and SEQ ID NO: 65 pDV60 (SEQ ID NO: 43), pDV67 (SEQ ID NO: 44), pDV69 (SEQ ID NO: 47), pDV80 (SEQ ID NO: 64) and pDV90 (SEQ ID NO: 65).
- 11. (Original) An adenovirus vector complementing plasmid comprising an isolated nucleic acid molecule according to Claim 1.
 - 12-13. (Cancelled).
 - 14. (Previously Presented) An adenovirus vector packaging cell line, comprising:
- i) a stably integrated nucleic acid molecule, comprising an adenovirus tripartite leader (TPL) nucleotide sequence, said TPL sequence comprising complete TPL exon 1 having the nucleotide sequence of SEQ ID NO: 32 or partial TPL exon 1 having the nucleotide of SEQ ID NO: 26; and
- ii) an operatively-linked promoter and a nucleic acid sequence that encodes an adenovirus structural protein, wherein the sequence of nucleotides that encodes the TPL

comprises a first TPL exon operatively linked to a complete second TPL exon operatively linked to a complete third TPL exon.

- 15. (Currently Amended) The cell line of Claim [[12]] 14, wherein said promoter is an inducible promoter.
- 16. (Currently Amended) The cell line of Claim [[12]] 14, wherein said adenovirus structural protein is adenovirus fiber protein or a chimeric protein which includes an adenovirus fiber protein tail domain.
- 17. (Previously Presented) The cell line of Claim 16, wherein said chimeric protein comprises an Ad3 head domain and an Ad5 tail domain or an Ad5 head domain and an Ad3 tail domain.
- 18. (Currently Amended) The cell line of Claim 14, wherein said nucleic acid molecule is selected from the group consisting of plasmids pDV60, pDV67, pDV69, pDV80 and pDV90 pDV60 (SEQ ID NO: 43), pDV67 (SEQ ID NO: 44), pDV69 (SEQ ID NO: 47), pDV80 (SEQ ID NO: 64) and pDV90 (SEQ ID NO: 65).
 - 19. (Cancelled).
- 20. (Currently Amended) The cell line of Claim [[12]] 14, wherein said cell line is an epithelial cell line.
- 21. (Currently Amended) The cell line of Claim [[12]] 14, wherein said cell line supports the production of a recombinant adenovirus vector genome by complementation of a deficient viral gene in said vector genome.
- 22. (Previously Presented) The cell line of Claim 21, wherein said cell line expresses an adenovirus early protein gene and a fiber gene.
- 23. (Previously Presented) The cell line of Claim 21, wherein deletion of a deficient viral gene is complemented by the expression of a gene under the control of an inducible promoter.

- 24-40. (Cancelled).
- 41. (Currently Amended) The method of Claim 95, wherein said stably integrated first nucleic acid molecule nucleotide sequence that encodes an adenovirus structural protein is operatively linked to [[a]] an inducible promoter.
 - 42-46. (Cancelled).
- 47. (Previously Presented) The method of Claim 95, wherein the adenovirus structural protein is adenovirus fiber protein.
 - 48-68. (Cancelled).
- 69. (Currently Amended) The packaging cell line of Claim [[12]] 14, wherein said cell line is selected from the group consisting of 293, A549, W163, HeLa, Vero, 21 1, 21 I A and an epithelial cell line, wherein said cell line comprises said stably integrated nucleic acid molecule.
 - 70-94. (Cancelled).
- 95. (Currently Amended) A method for producing an adenovirus particle comprising:
- 1) providing a packaging cell line wherein said packaging cell line comprises:
- (i) a stably integrated first nucleic acid molecule operatively linked to a second nucleic acid molecule encoding an adenovirus structural protein, wherein said first nucleic acid molecule comprises the nucleic acid molecule of Claim 2
- (ii) said cell line supports the production of a recombinant adenovrus vector genome according to Claim 14, and
 - 2) producing said adenovirus particle.
- 96. (Currently Amended) A method for producing an adenovirus particle comprising:

- 1) providing a packaging cell line wherein said packaging cell line comprises:
 - (i) a stably integrated nucleic acid molecule, comprising:

a sequence of nucleotides encoding an adenovirus tripartite leader (TPL), wherein the TPL encoding sequence of nucleotides comprises: (a) first and second different TPL exons, wherein the different TPL exons are from different adenoviruses, or in a nonnative order or both or (b) first, second and third same or different TPL exons, wherein at least two of the different TPL exons are from different adenoviruses, or in a non-native order or both and said TPL exons in (a) and (bl are selected from the group consisting of complete TPL exon 1, complete TPL exon 2 and complete TPL exon 3 providing a packaging cell line wherein said packaging cell line comprises:

- (i) a stably integrated first nucleic acid molecule operatively linked to a second nucleic acid molecule encoding an adenovirus structural protein, wherein said first nucleic acid molecule comprises the nucleic acid molecule of Claim 2
- (ii) said-cell line supports the production of a recombinant adenovrus vector genome and according to Claim 14; wherein
- (ii) said cell line supports the production of a recombinant adenovirus vector genome by complementation of a deficient viral gene in said vector genome; and
 - 2) producing said adenovirus particle.
- 97. (Currently Amended) A method for producing an adenovirus particle comprising:
- providing a packaging cell line wherein said packaging cell line
 comprises: a stably integrated nucleic acid molecule, comprising:
- (i) a sequence of nucleotides encoding an adenovirus tripartite leader (TPL), wherein the TPL encoding sequence of nucleotides comprises: (a) first and

second different TPL exons, wherein the different TPL exons are from different
adenoviruses, or in a nonnative order or both or (b) first, second and third same or different
TPL exons, wherein at least two of the different TPL exons are from different adenoviruses,
or in a non-native order or both and said TPL exons are selected from the group consisting of
complete TPL exon 1, complete TPL exon 2 and complete TPL exon 3 according to Claim

14, [[and]] wherein said nucleic acid sequence that encodes an adenovirus structural protein

(ii) a sequence of nucleotides encoding encodes an adenovirus fiber
protein; and

- 2) producing an adenovirus particle.
- 98. (Currently Amended) The method of Claim [[97]] <u>95</u>, wherein said adenovirus particle comprises a genome encoding an exogenous protein.
- 99. (Currently Amended) The method of Claim [[98]] <u>95</u>, wherein said exogenous protein is selected from a group consisting of a tumor-suppressor protein, a biologically active fragment thereof that has tumor-suppressor activity, a suicide protein and a biologically active fragment thereof that has activity as a suicide protein.
- 100. (Currently Amended) [[An]] <u>The</u> isolated nucleic acid molecule <u>of Claim 7</u>, comprising a sequence of nucleotides encoding an adenovirus tripartite leader (TPL), wherein the TPL encoding sequence of nucleotides comprises first, second and third TPL exons selected from the group consisting of complete TPL exon 1, partial TPL exon 1, complete TPL exon 2 and complete TPL exon 3, wherein;

said molecule further comprises a promoter and a sequence of nucleotides that
encodes an adenovirus fiber protein or a chimeric protein which includes an adenovirus fiber
protein tail domain operatively linked to said promoter and said TPL-encoding sequence of
nucleotides; and

said molecule is contained in plasmid pCLF has the nucleotide sequence is set forth in SEQ ID NO: 8.

101. (Currently Amended) The isolated nucleic acid molecule of Claim 100 that 1, comprising a sequence of nucleotides encoding an adenovirus tripartite leader (TPL), wherein said molecule has the sequence of nucleotides set forth in SEQ ID NO. 8.

102-103 (Cancelled).